

Sequence listing

<110> President of Nagoya University

<120> Peroxisomal ascorbate peroxidase gene induced by high temperature stress and a transgeneic plant exhibiting thermotolerance

<160> 2

<210> 1

<211> 291

<212> Amino acid

<213> *Hordeum vulgare* L. Haruna-nijyo

<400> 1

MAAPVVDAEY LRQVDRARRA FRALIASKGC APIMLRLAWH DAGTYDVNTR TGGANGSIRY 60  
EEEYTHGSNA GLKIAIDLLE PIKAKHPKIT YADLHQLAGV VAVEVTGGPT VEFIPGRRDS 120  
SVCPREGRLP DAKKGAPHLR DIFYRMGLTD KDIVALSGGH SLGKAHPERS GFDGAWTRDP 180  
LKFDNSYFLE LLKGESEGLL KLPTDKALLD DPEFRRYVEL YAKDEDVFFK DYAESHKKLS 240  
ELGFTPRSSG PASTKSDVST AVVLAQSAVG VAVAAAVVIA GYL YEASKRS K 291

Patent No. 2000-172,850

<210> 2

<211> 1089

<212> Nucleic acid

<213> *Hordeum vulgare* L. Haruna-nijyo

<400> 2

CTTCTAGGGT CGTCCGCGAT GGC GGCTCCG GTGGTGGACG CCGAGTACCT GCGCCAGGTC	60
GACAGGGCGC GCCGCGCCTT CCGTGCCCTC ATCGCCTCCA AGGGATGCGC CCCCATCATG	120
CTCCGCTCG CATGGCATGA TGCTGGCACC TATGATGTGA ACACAAGAAC TGGTGGTGCA	180
AATGGTTCAA TTAGATACGA GGAAGAGTAC ACCCATGGTT CAAATGCTGG CTAAAAAATT	240
GCTATTGATC TCCTTGAGCC TATTAAAGCG AAGCATCCAA AGATTACATA TGCAGACCTT	300
CATCAGCTTG CCGGAGTAGT TGCAGTTGAA GTCACCGGGG GTCCAACCGT TGAGTTCATC	360
CCTGGAAGAC GTGATTCGTC AGTTTGTCCC CGTGAAGGAC GCCTTCCTGA TGCTAAGAAA	420
GGTGCACCAC ATCTAAGGGA CATCTTTTAT CGAATGGGGT TAACAGACAA AGATATTGTA	480
GCACTATCTG GGGGGCACAG CCTGGGAAAG GCGCATCCTG AAAGGTCTGG GTTTGACGGT	540
GCATGGACTC GTGACCCTCT GAAATTTGAC AACTCATACT TTCTTGAGCT ACTGAAGGGG	600
GAATCTGAGG GTCTTCTGAA GCTCCCTACT GATAAGGCAT TGTGGATGA TCCTGAATTT	660
CGACGCTATG TGGAGCTTTA TGCAAAGGAT GAGGATGTTT TCTTCAAGGA CTACGCTGAA	720
TCACACAAAA AACTTTCTGA ACTTGGCTTC ACACCACGGA GCAGTGGCCC AGCATCTACA	780
AAATCAGATG TTTCAACTGC TGTTGTACTT GCACAGAGTG CAGTCGGGGT AGCAGTTGCT	840
GCAGCTGTAG TTATCGCGGG CTACCTGTAC GAAGCTTCCA AGAGGAGCAA GTAAGGGGTT	900
CGTGAGTTCT TGGATGACAT TCCCTTATTT AGTAAGTATC AAGTTATTAT TCTAAAAAAA	960
TAAGTGCCAA GTGCAAATAA CAGAACTCTA GTGATGAACA ACCAACAGTA GTCTCAAAAT	1020
ATTCATACA TTCTTGAGGA CATCTCCTTC ATATATATAC ATCATACTTG AATAAAAAAA	1080
AAAAAAAAAA	1089